

FIG.2

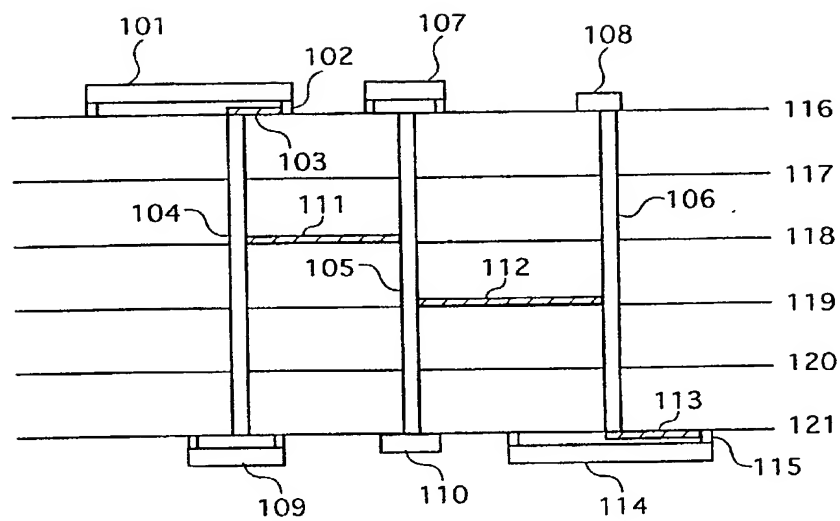


FIG. 2

FIG.3

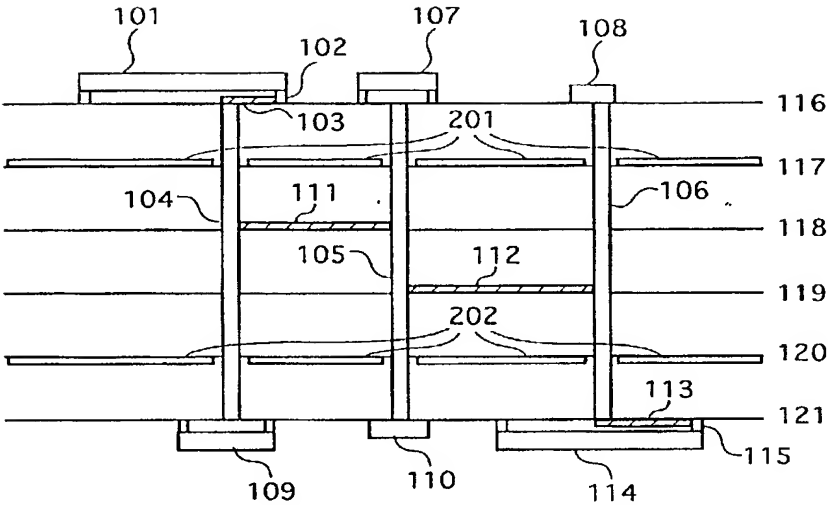


FIG. 3

FIG.4

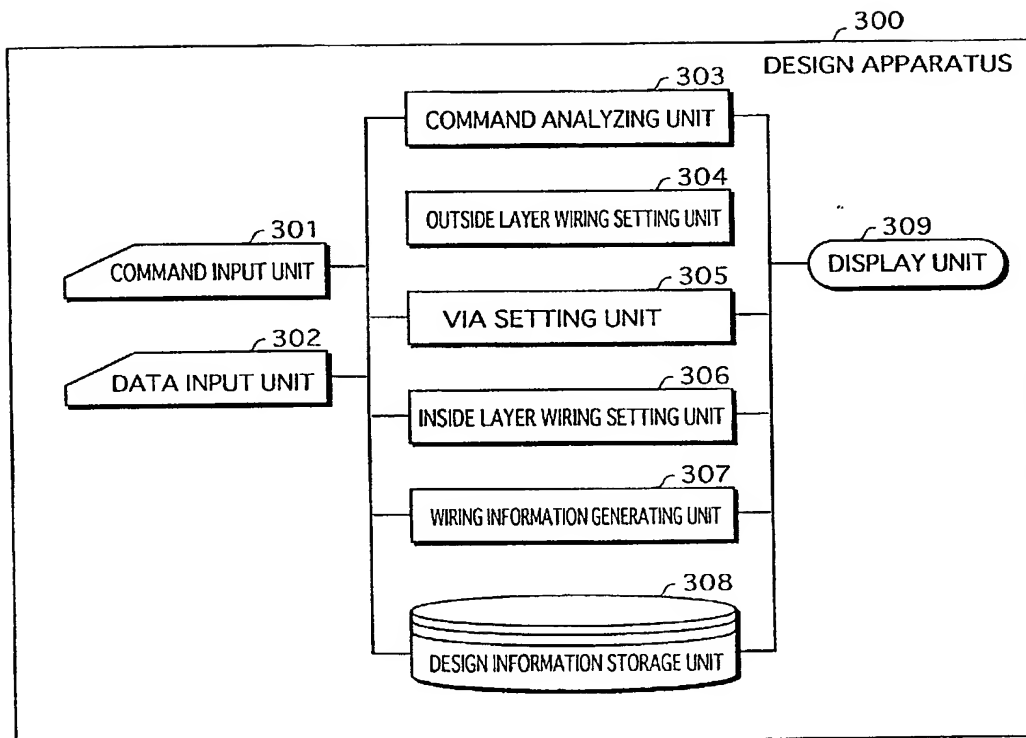


FIG.5A

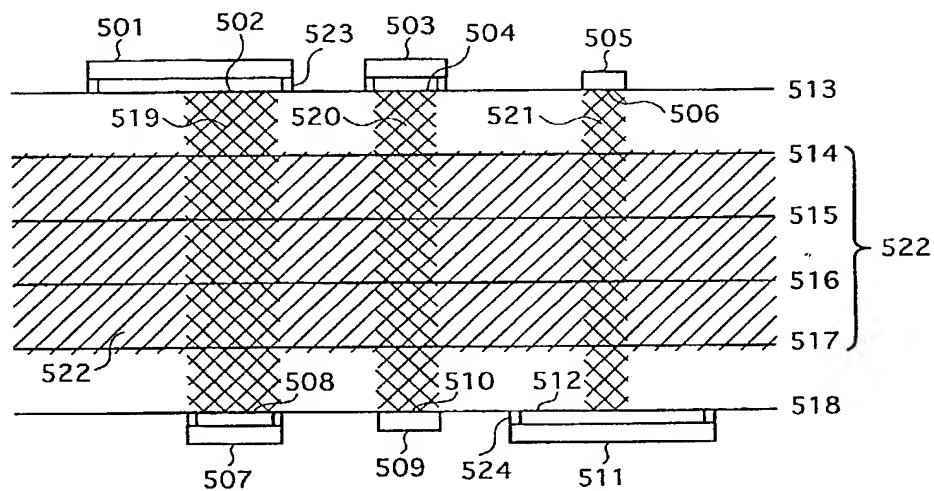


FIG.5B

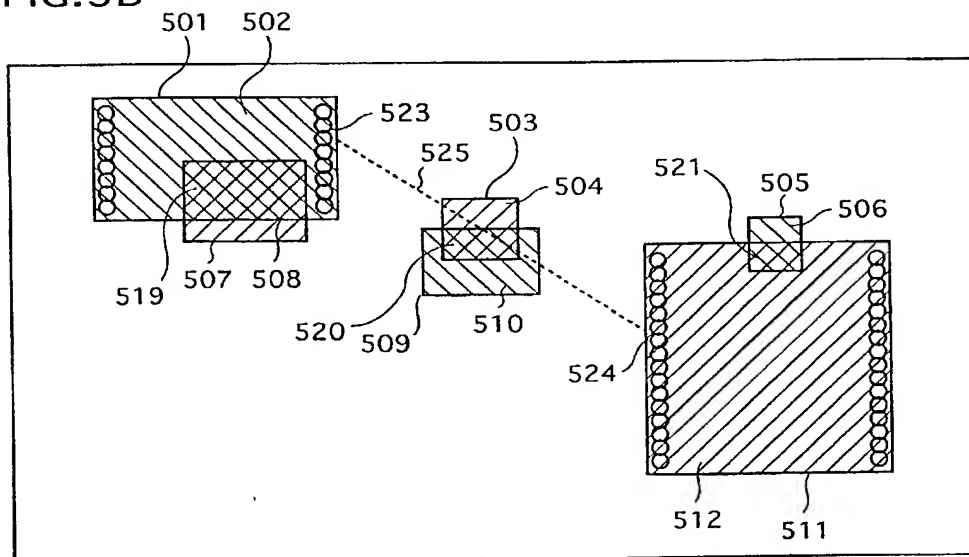


FIG.6A

BOARD NO.	SIZE	COMPONENT LIST	NO. OF LAYERS
BOARD 500	110mm×60mm	COMPONENT 501 COMPONENT 503 COMPONENT 505 COMPONENT 507 COMPONENT 509 COMPONENT 511 ⋮	6

FIG.6B

COMPONENT NO.	LAYER	POSITION	TERMINAL LIST
COMPONENT 501	FIRST LAYER	(10,5)-(41,23)	TERMINAL 523,...
COMPONENT 503	FIRST LAYER	(53,18)-(61,26)	...
COMPONENT 505	FIRST LAYER	(84,20)-(90,26)	...
COMPONENT 507	SIXTH LAYER	(24,15)-(38,24)	...
COMPONENT 509	SIXTH LAYER	(51,23)-(63,31)	...
COMPONENT 511	SIXTH LAYER	(71,24)-(101,48)	TERMINAL 524,...
⋮	⋮	⋮	⋮

FIG.6C

TERMINAL NO.	LAYER	POSITION
TERMINAL 523	FIRST LAYER	(39,11)
TERMINAL 524	SIXTH LAYER	(73,33)
⋮	⋮	⋮

FIG.6D

SIGNAL LINE NO.	TERMINAL PAIR
SIGNAL LINE 555	TERMINAL 523, TERMINAL 524
⋮	⋮

FIG.7A

OUTSIDE LAYER WIRING POSSIBLE AREA	POSITION
AREA 502	(10,5)-(41,23)
AREA 504	(53,18)-(61,26)
AREA 506	(84,20)-(90,26)
AREA 508	(24,15)-(38,24)
AREA 510	(51,23)-(63,31)
AREA 512	(71,24)-(101,48)
⋮	⋮

FIG.7B

VIA POSSIBLE AREA	POSITION
AREA 519	(24,15)-(38,23)
AREA 520	(53,23)-(61,26)
AREA 521	(84,24)-(90,26)
⋮	⋮

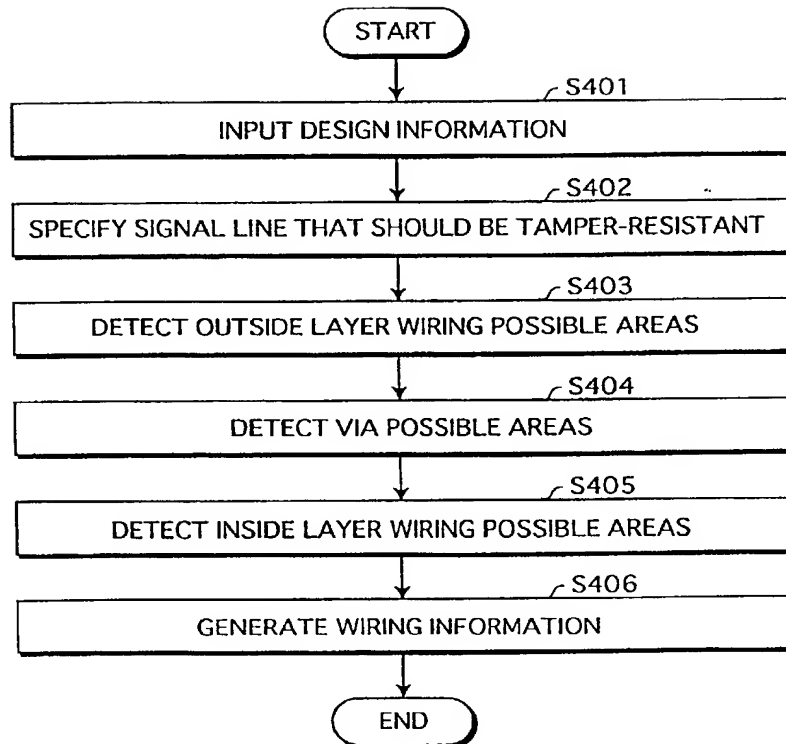
FIG.7C

INSIDE LAYER WIRING POSSIBLE AREA
SECOND LAYER
THIRD LAYER
FOURTH LAYER
FIFTH LAYER

FIG.8

FOIL NO.	LAYER	POSITION
FOIL 551	FIRST LAYER	(39,11)-(31,11)-(31,19)
FOIL 552	THIRD LAYER	(31,19)-(87,19)-(87,25)
FOIL 553	SIXTH LAYER	(87,25)-(87,33)-(73,33)
⋮	⋮	⋮
VIA NO.	LAYER	POSITION
VIA 554	LAYERS 1-6	(31,19)
VIA 555	LAYERS 1-6	(87,25)
⋮	⋮	⋮

FIG.9



4009574.12004

FIG.10

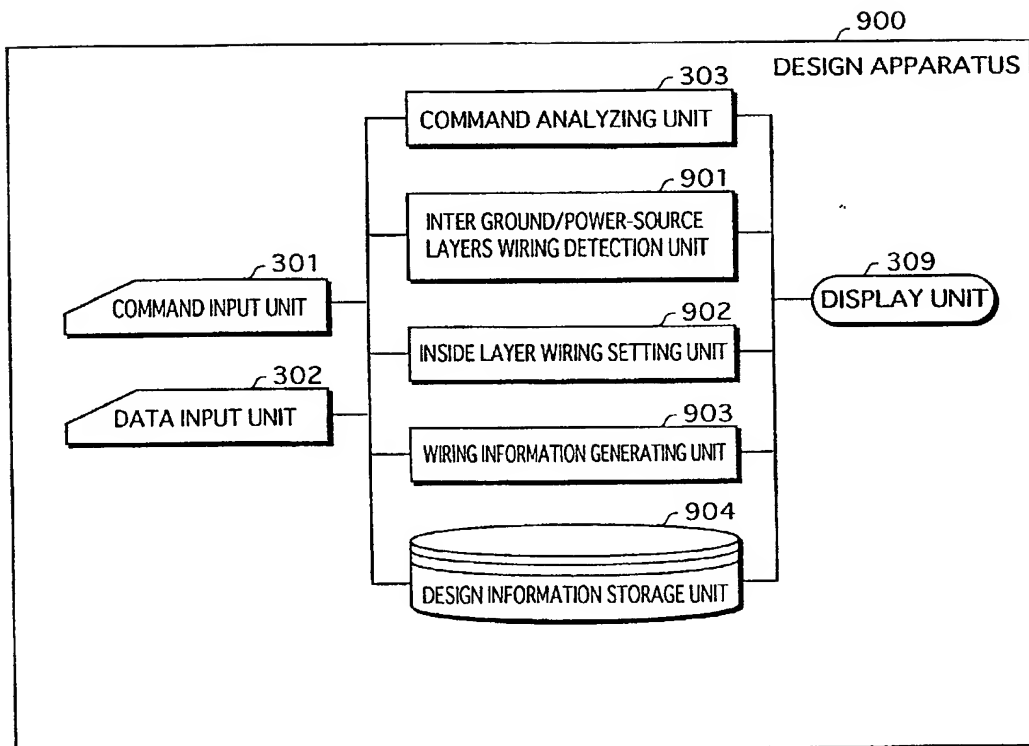
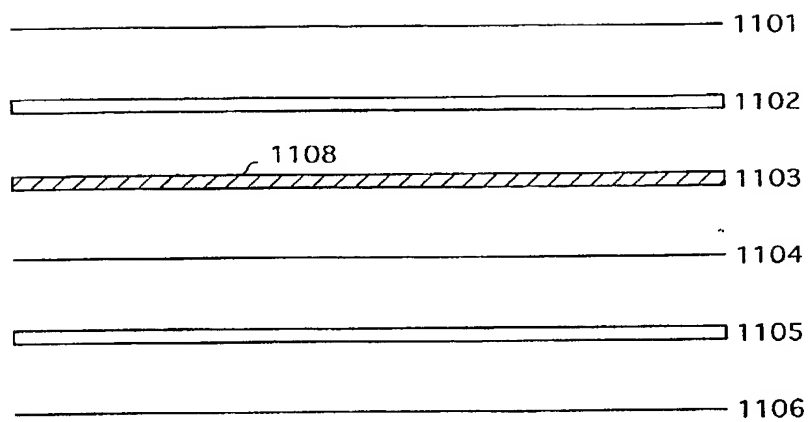


FIG. 11



10029571-12004

FIG.12A

BOARD NO.	SIZE	COMPONENT LIST	NO. OF LAYERS	GROUND/POWER SOURCE LAYER
BOARD 1100	110mm×60mm	COMPONENT 1151 COMPONENT 1152 ⋮	6	SECOND LAYER FIFTH LAYER

FIG.12B

COMPONENT NO.	LAYER	POSITION	TERMINAL LIST
COMPONENT 1151	FIRST LAYER	(10,5)-(41,23)	TERMINAL 1153,...
COMPONENT 1152	SIXTH LAYER	(71,24)-(101,48)	TERMINAL 1154,...
⋮	⋮	⋮	⋮

FIG.12C

TERMINAL NO.	LAYER	POSITION
TERMINAL 1153	FIRST LAYER	(39,11)
TERMINAL 1154	SIXTH LAYER	(73,33)
⋮	⋮	⋮

FIG.12D

SIGNAL LINE NO.	TERMINAL PAIR
SIGNAL LINE 1155	TERMINAL 1153, TERMINAL 1154
⋮	⋮

FIG. 13

INSIDE LAYER WIRING POSSIBLE AREA	THIRD LAYER FOURTH LAYER
-----------------------------------	-----------------------------

FIG.14

FOIL NO.	LAYER	POSITION
FOIL 1160	FIRST LAYER	...
FOIL 1108	THIRD LAYER	...
FOIL 1162	SIXTH LAYER	...
⋮	⋮	⋮
VIA NO.	LAYER	POSITION
VIA 1170	LAYERS 1-6	...
VIA 1171	LAYERS 1-6	...
⋮	⋮	⋮

FIG.15

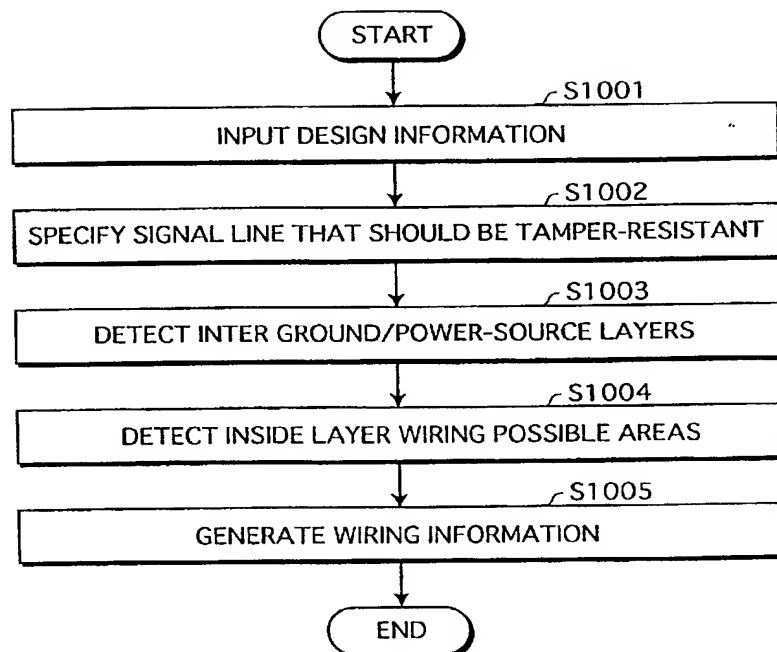
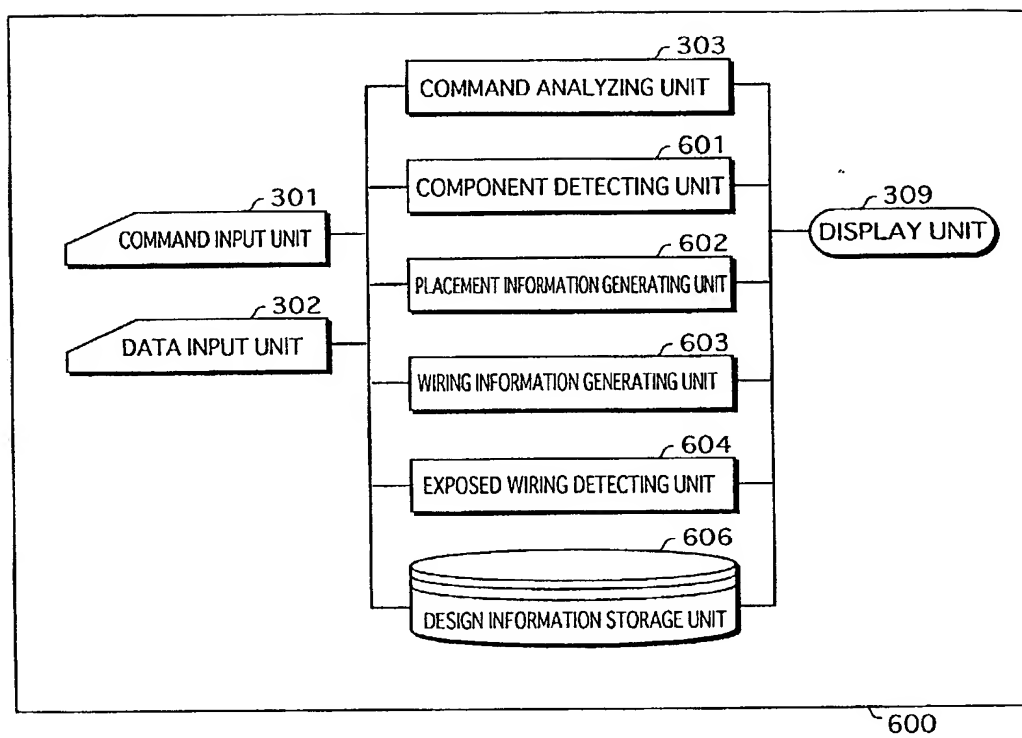


FIG.16



100221 12562001

FIG.17A

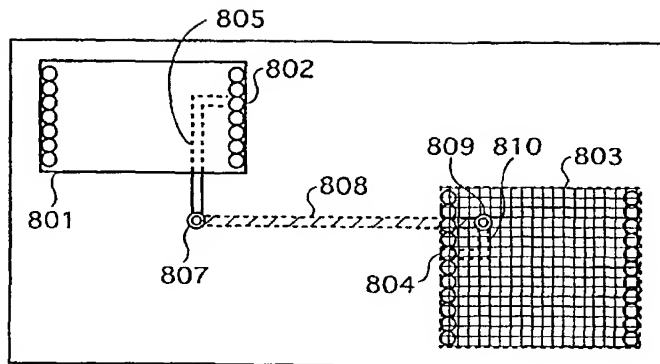


FIG.17B

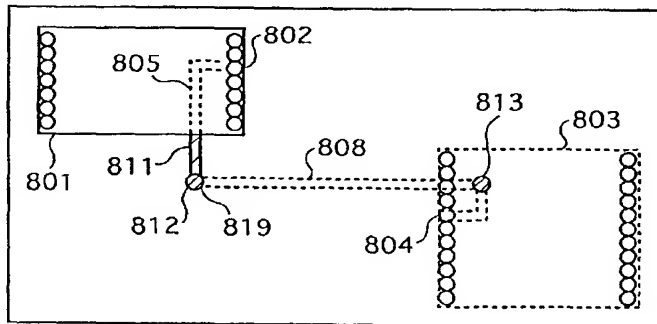


FIG.17C

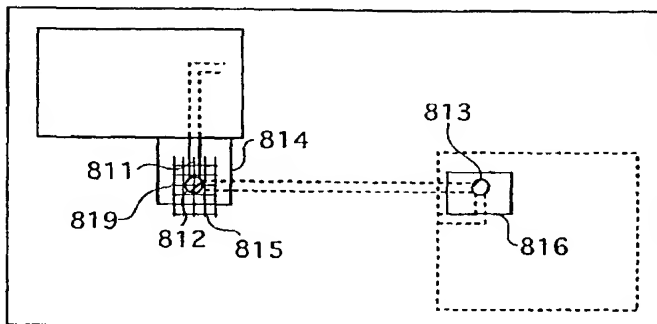


FIG.18A

BOARD NO.	SIZE	COMPONENT LIST	NO. OF LAYERS
BOARD 800	100mm×50mm	COMPONENT 801 COMPONENT 803 COMPONENT 814 COMPONENT 815 COMPONENT 816 ⋮	4

FIG.18B

COMPONENT NO.	SIZE	TERMINAL LIST
COMPONENT 801	(31,18)	TERMINAL 802,⋮
COMPONENT 803	(30,25)	TERMINAL 804,⋮
COMPONENT 814	(10,10)	⋮
COMPONENT 815	(5,10)	⋮
COMPONENT 816	(10,5)	⋮
⋮	⋮	⋮

FIG.18C

SIGNAL LINE NO.	TERMINAL PAIR
SIGNAL LINE 888	TERMINAL 802, TERMINAL 804
⋮	⋮

FIG.19A

COMPONENT NO.	LAYER	POSITION	TERMINAL LIST
COMPONENT 801	FIRST LAYER	(5,3)-(36,21)	TERMINAL 802,"
COMPONENT 803	FOURTH LAYER	(65,23)-(95,48)	TERMINAL 804,"
TERMINAL NO.	POSITION		
TERMINAL 802	(34,9)		
TERMINAL 804	(63,32)		

FIG.19B

FOIL NO.	LAYER	POSITION
FOIL 805	FIRST LAYER	(34,9)-(28,9)-(28,29)
FOIL 808	SECOND LAYER	(28,29)-(72,29)
FOIL 810	FOURTH LAYER	(72,29)-(72,32)-(63,32)
VIA NO.	LAYER	POSITION
VIA 807	LAYERS 1-4	(28,29)
VIA 809	LAYERS 1-4	(72,29)

FIG.20

EXPOSED WIRING	LAYER	POSITION
FOIL 811	FIRST LAYER	(28,21)-(28,29)
VIA END 819	FIRST LAYER	(28,29)
VIA END 812	FOURTH LAYER	(28,29)
VIA END 813	FIRST LAYER	(72,29)

FIG.21

COMPONENT NO.	LAYER	POSITION	TERMINAL LIST
COMPONENT 814	FIRST LAYER	(24,21)-(34,31)	...
COMPONENT 815	FOURTH LAYER	(27,23)-(32,33)	...
COMPONENT 816	FOURTH LAYER	(67,26)-(77,31)	...
TERMINAL NO.	POSITION		
...	...		
...	...		
...	...		

FIG.22

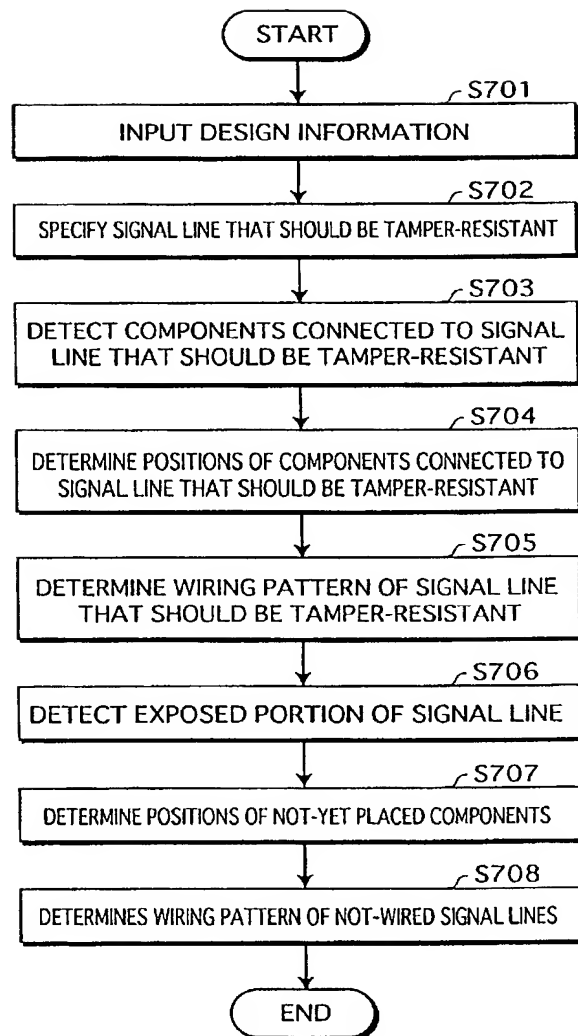
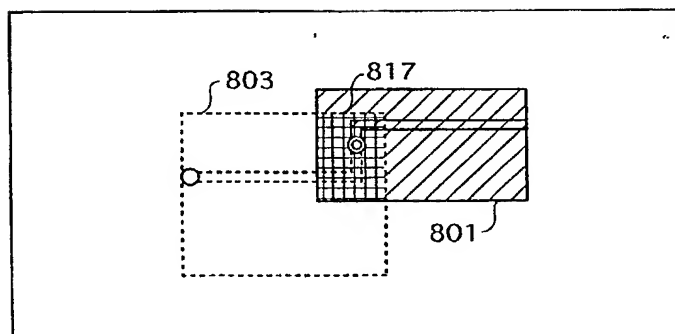


FIG.23



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FIG.24

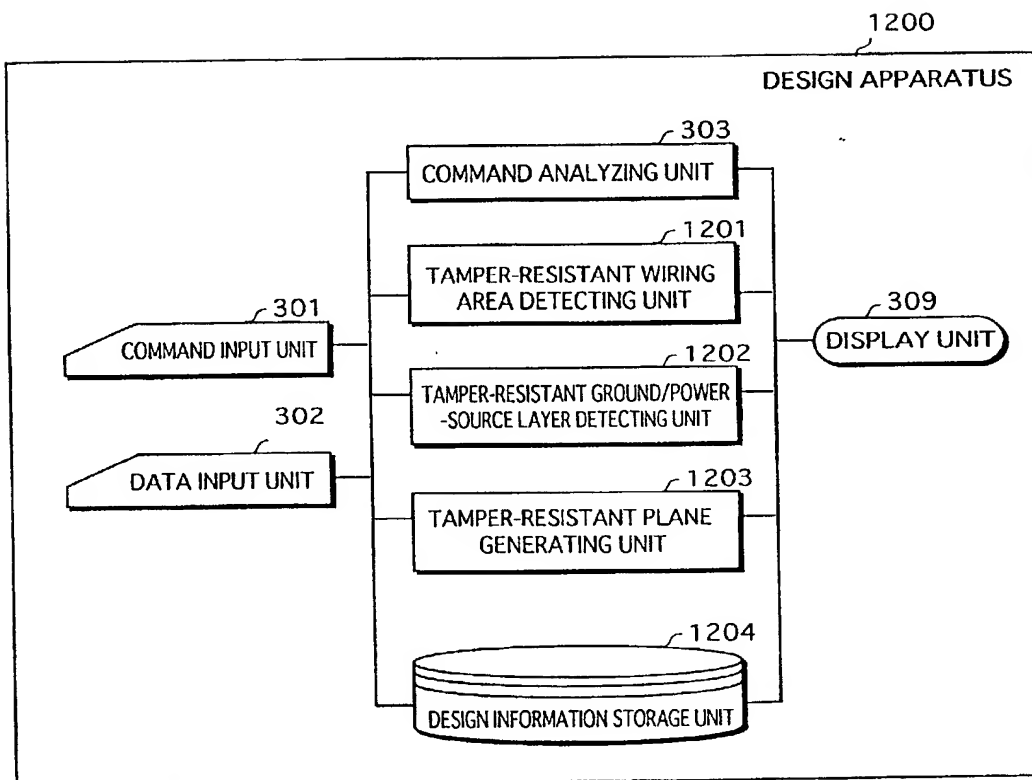
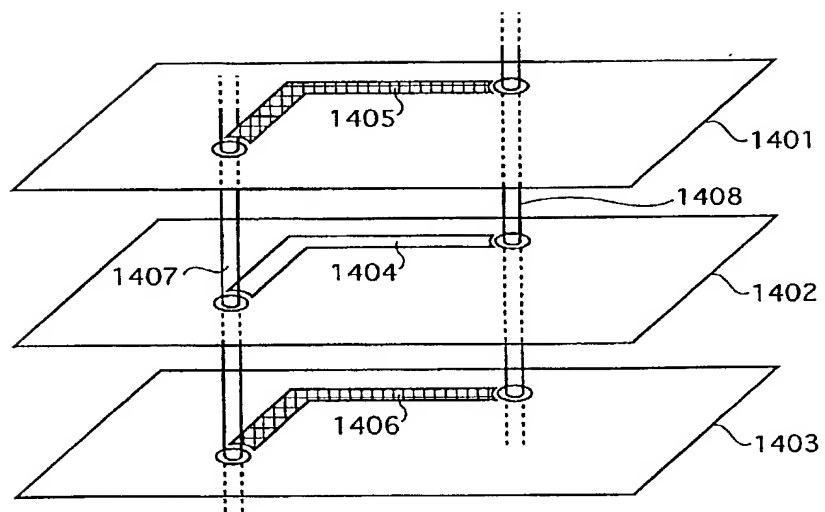


FIG.25



10055412001

FIG.26A

BOARD NO.	SIZE	COMPONENT LIST	NO.OF LAYERS
BOARD 1400	110mmX60mm	COMPONENT 1410 COMPONENT 1411 ⋮	6

FIG.26B

COMPONENT NO.	LAYER	POSITION	TERMINAL LIST
COMPONENT 1410 COMPONENT 1411 ⋮	FIRST LAYER SIXTH LAYER ⋮ ⋮	TERMINAL 1412, ... TERMINAL 1413, ... ⋮

FIG.26C

COMPONENT NO.	POSITION
TERMINAL 1412 TERMINAL 1413 ⋮ ⋮

FIG.26E

FOIL NO.	LAYER	POSITION
FOIL 1404 ⋮	THIRD LAYER ⋮	(20,50)-(20,10)-(60,10) ⋮
VIA NO.	LAYER	POSITION
VIA 1407 VIA 1408 ⋮	LAYERS 1-6 LAYERS 1-6 ⋮	⋮

FIG.26D

SIGNAL LINE NO.	TERMINAL PAIR
SIGNAL LINE 1455 ⋮	TERMINAL 1412, TERMINAL 1413 ⋮

FIG.27A

FOIL NO.	LAYER	POSITION
FOIL 1404	THIRD LAYER	(20,50)-(20,10)-(60,10)

FIG.27B

GROUND/POWER-SOURCE LAYER
SECOND LAYER FOURTH LAYER

FOOT 1256200F

FIG.28

FOIL NO.	LAYER	POSITION	CONNECTION TO GROUND
FOIL 1404	THIRD LAYER	(20,50)-(20,10)-(60,10)	—
FOIL 1405	SECOND LAYER	(20,50)-(20,10)-(60,10)	CONNECTED TO GROUND
FOIL 1406	FOURTH LAYER	(20,50)-(20,10)-(60,10)	CONNECTED TO GROUND
⋮	⋮	⋮	⋮

FIG.29

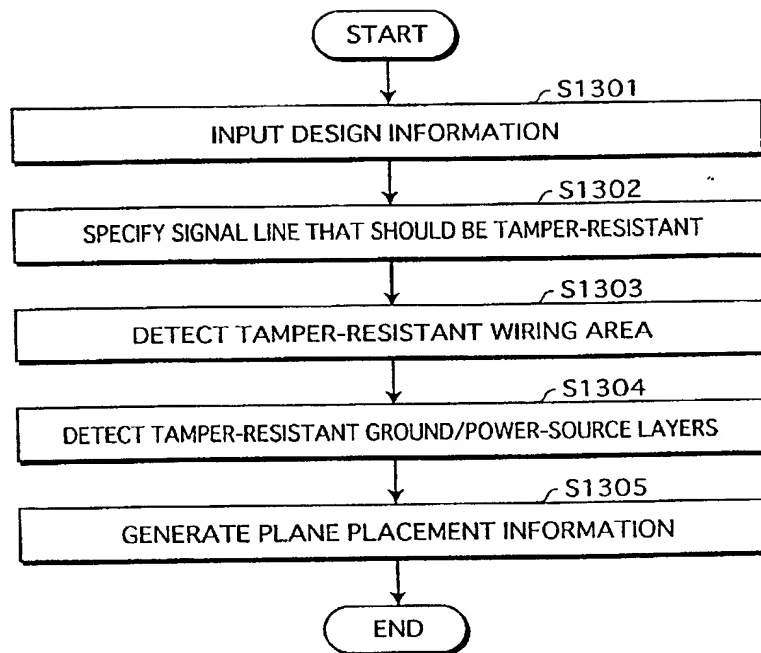


FIG.30

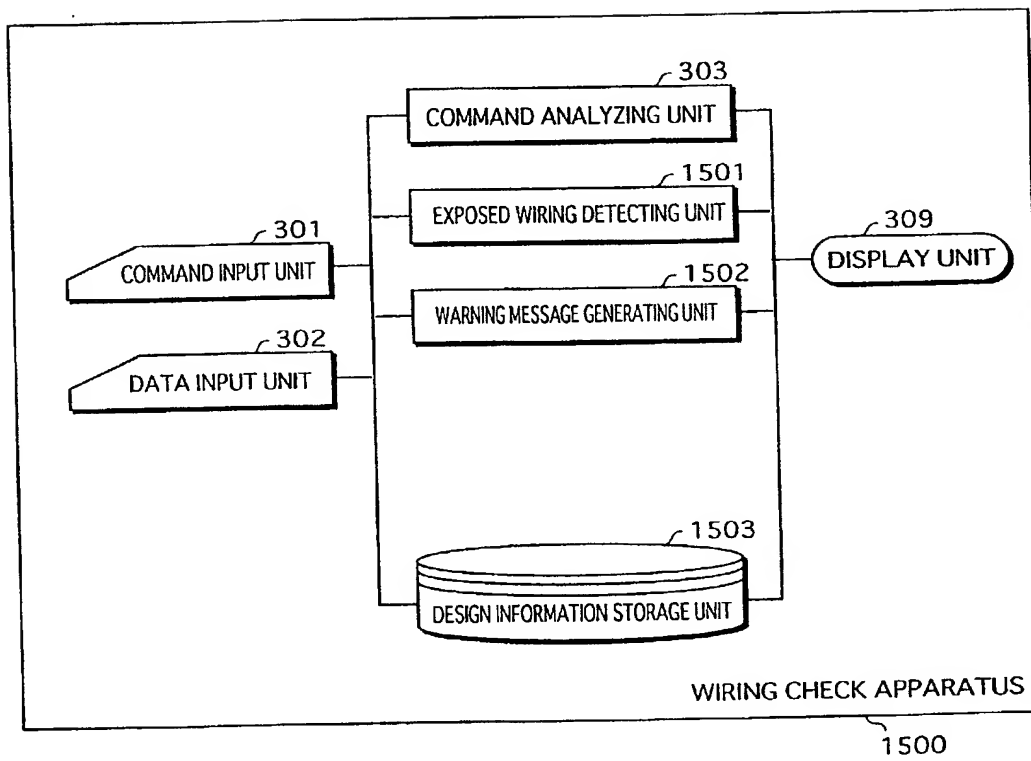


FIG.31

FIG.31A

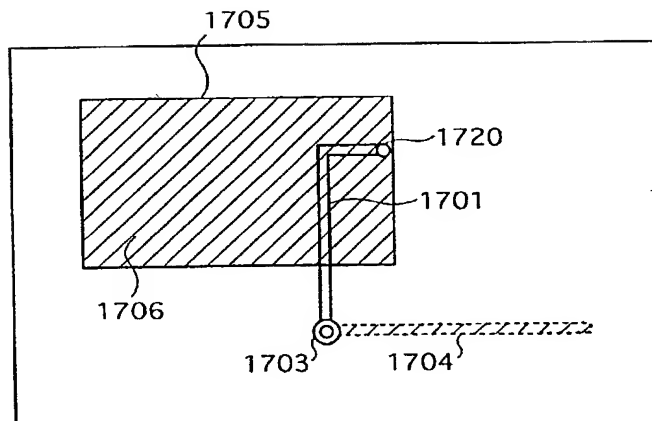


FIG.31B

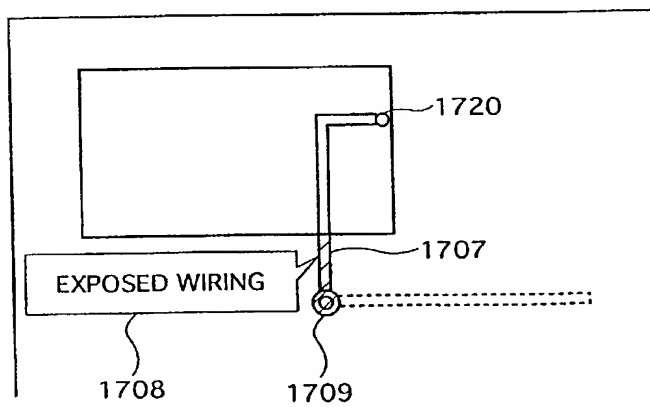


FIG.32A

BOARD NO.	SIZE	COMPONENT LIST	NO. OF LAYERS
BOARD 1400	100mmX100mm	COMPONENT 1705 COMPONENT 1715 :	6

FIG.32C

TERMINAL NO.	LAYER	POSITION
TERMINAL 1720	FIRST LAYER	(53,15)
TERMINAL 1721	SIXTH LAYER	...
:	:	:

FIG.32B

COMPONENT NO.	LAYER	POSITION	TERMINAL LIST
COMPONENT 1705	FIRST LAYER	(10,8)-(55,35)	TERMINAL 1720,...
COMPONENT 1715	SIXTH LAYER	...	TERMINAL 1721,...
:	:	:	:

FIG.32D

SIGNAL LINE NO.	TERMINAL PAIR	TAMPER-RESISTANCE
SIGNAL LINE 1755	TERMINAL 1720, TERMINAL 1721	TAMPER-RESISTANT
:	:	:

FIG.32E

FOIL NO.	LAYER	POSITION
FOIL 1701	FIRST LAYER	(53,15)-(45,15)-(45,45)
FOIL 1704	THIRD LAYER	...
:	:	:
VIA NO.	LAYER	POSITION
VIA 1703	LAYERS 1-6	(45,45)
:	:	:

FIG.33

EXPOSED WIRING	LAYER	POSITION
FOIL 1707	FIRST LAYER	(45,35)-(45,45)
VIA END 1706	FIRST LAYER	(45,45)
⋮	⋮	⋮

FIG.34

